

API Interface Specification

DOMAIN	UHC Vision
SUBDOMAIN	-
RESOURCE / API	Coverages
VERSION	1.3 November 2018

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uhcvision / coverages

Introduction

This guide is meant to outline the features, capabilities and dependencies of the UnitedHealthcare Vision external B2B API for Vision member coverages and eligibility. Usage of this API will allow real time web services calls that can be integrated into external Point of Sale or CRM systems for the purpose of validating active UnitedHealthcare Vision member eligibility and coverages in order to render services and/or provide materials.

1.1 Functional Overview

Coverage refers to:

- The financial protection that is provided by an insurance policy.
- All the risks covered by the terms of an insurance contract.
- The benefits that are provided according to the terms of a participant's specific health benefits plan.

Disclaimer: API results are not a guarantee of coverage or claims payment. It is possible for a member's eligibility and/or plan participation to change without prior notice.

1.2 Usage Guidance

VAS Tenant on API Engine

Usage of this API is dependent on the ability to support Version 1.2 of the Transport Layer Security (TLS) protocol. <https://tools.ietf.org/html/rfc5246>

1.3 Service Attributes

Transactionality	<p>This service functions as a single transaction.</p> <p>This service does not:</p> <ol style="list-style-type: none">1. Maintain state2. Participate in any start-commit-rollback protocol for coordinating long-lived (persistent) objects3. Expose any Semaphore4. Page its responses
Interoperability	None
Compatibility	None
Communication Style	Synchronous read request

1.4 Release Notes / Version History

This companion guide reflects the API capabilities as of this writing. Enhancements made to the API and its processes will be documented in subsequent companion guides. Any changes to the API and its processes require at least a minimum of 90 days notice, so as not to negatively impact other users.

2 Operation Summary

RESTful Action		SOAP Action		
Method	URI	Service	Operation	Description
POST	/uhcvision/coverages/V1.0/search	SearchCoveragesV1	InvokeService	Find the coverage for a member

3 RESTful Actions

3.1 POST /uhcvision/coverages/v1.0/search

Search for a member's eligibility and benefits coverage information.

3.1.1 Request

3.1.1.1 Sample Request

HTTP Request Line	POST /uhcvision/coverages/v1.0/search HTTP/1.1
HTTP Header	Content-Type: application/json accept: application/json
HTTP Message Body	<pre>{ "searchInput": { "subscriberId": "{some string}", "memberId": "{some string}", "firstName": "{some string}", "lastName": "{some string}", "dateOfBirth": "{some string}", "zipCode": "{some string}", "phoneNumber": "{some string}", "tradingPartnerId": "{some string}", "tradingPartnerTypeId": "{some string}", "serviceDate": "{some string}" } }</pre>



3.1.1.2 Path Parameters

None

3.1.1.3 Query Parameters

None

3.1.1.4 Body Parameters

See Subsection “Search Input” of Section 5, “[Resource and Object Description](#)”.

3.1.2 Response

3.1.2.1 Sample Response

HTTP Status Line	HTTP/1.1 200 OK
HTTP Header	Content-Type: application/json serviceCallStatus: SUCCESS

HTTP
Message
Body

```
{
  "searchResult": {"searchOutput": {
    "coverages": {
      "subscriberId": "{some string}",
      "memberId": "{some string}",
      "firstName": "{some string}",
      "lastName": "{some string}",
      "dateOfBirth": "{some string}",
      "patientSex": "{some string}",
      "insuredName": "{some string}",
      "patientRelationshipToInsured": "{some string}",
      "patientAddress1": "{some string}",
      "patientAddress2": "{some string}",
      "patientCity": "{some string}",
      "patientState": "{some string}",
      "patientZip": "{some string}",

      "product" [
        "productName": "{some string}",
        "memberEffectiveDate": "{some string}",
        "memberTerminationDate": "{some string}",
        "retailPlanId": "{some string}",
        "deductibleAppliedIndicator": "{some string}",
        "studentAgeCutoff": "{some string}",
        "dilatedFundusExamRecommended": "{some string}",
        "timelyFilingLimitInDays": "{some string}",
        "benefitLevel" [
          "benefitLevelDescription": "{some string}",
          "benefitAvailability" [
            "benefitCategoryDescription": "{some string}",
            "reportDescription": "{some string}",
            "benefitEligibility": "{some string}",
            "frequency": "{some string}"
          ],
        ],
        "benefitDetail" [
          "reportDescription": "{some string}",
          "periodLength": "{some string}",
          "periodLengthTypeDescription": "{some string}",
          "unitsFrom": "{some string}",
          "unitsTo": "{some string}",
          "ageMax": "{some string}",
          "ageMin": "{some string}",
          "coinsurancePercent": "{some string}",
          "copayAmount": "{some string}",
          "allowanceAmount": "{some string}",
          "allowanceRemainingAmount": "{some string}",
          "allowanceSatisfiedAmount": "{some string}",
          "overagePercent": "{some string}",
          "priceProtectionAmount": "{some string}",
          "discountPercent": "{some string}"
        ]
      ]
    }
  }
},
```

```

    "planLevelAccumulators" :
      "benefitMaximum" [
        "codesetDescription": "{some string}",
        "familyMaximumAmount": "{some string}",
        "familyMaximumRemainingAmount": "{some string}",
        "familyMaximumSatisfiedAmount": "{some string}",
        "memberMaximumAmount": "{some string}",
        "memberMaximumRemainingAmount": "{some string}",
        "memberMaximumSatisfiedAmount": "{some string}",
        "periodBegin": "{some string}",
        "periodEnd": "{some string}"
      ],
      "deductible" [
        "codesetDescription": "{some string}",
        "familyDeductibleAmount": "{some string}",
        "familyDeductibleRemainingAmount": "{some string}",
        "familyDeductibleSatisfiedAmount": "{some string}",
        "memberDeductibleAmount": "{some string}",
        "memberDeductibleRemainingAmount": "{some string}",
        "memberDeductibleSatisfiedAmount": "{some string}",
        "periodBegin": "{some string}",
        "periodEnd": "{some string}"
      ],
      "oopMaximum" [
        "codesetDescription": "{some string}",
        "familyOopAmount": "{some string}",
        "familyOopRemainingAmount": "{some string}",
        "familyOopSatisfiedAmount": "{some string}",
        "memberOopAmount": "{some string}",
        "memberOopRemainingAmount": "{some string}",
        "memberOopSatisfiedAmount": "{some string}",
        "periodBegin": "{some string}",
        "periodEnd": "{some string}"
      ]
    ],
    "hasBenefits": "{some string}",
    "messageCodeId": "{some string}",
    "responseMessage": "{some string}"
  }
}

```

3.1.2.2 Response Elements

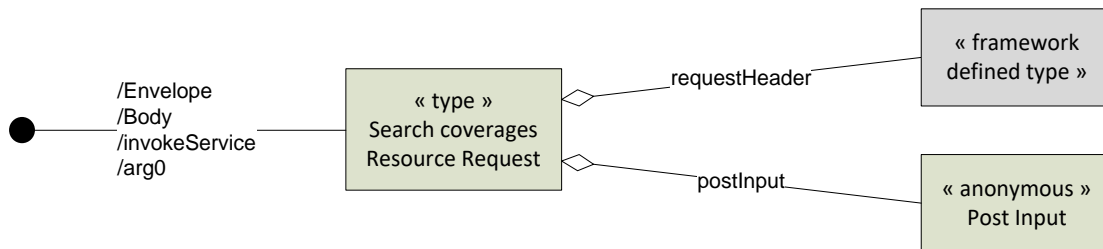
See Subsection “Search Output” of Section 5, [“Resource and Object Description”](#).

4 SOAP Actions

4.1 SearchCoveragesV1

4.2 Request

4.2.1.1 Message Model

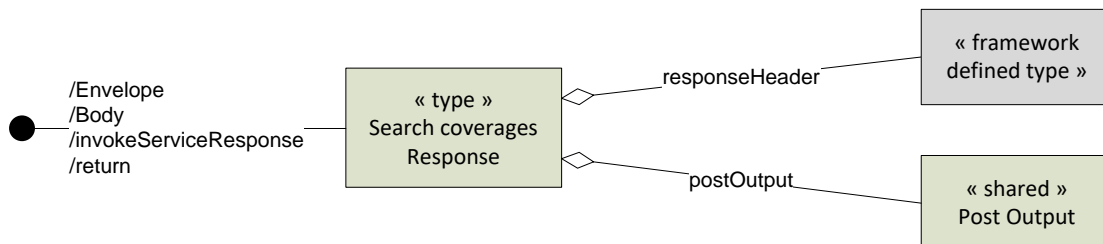


4.2.1.2 Request Elements

See Subsection “Search Input” of Section 5, “[Resource and Object Description](#)”.

4.2.2 Response

4.2.2.1 Message Model



4.2.2.2 Response Elements

See Subsection “Post Output” of Section 5, “[Resource and Object Description](#)”.

5 Resource and Object Descriptions

5.1 Message and Meta Objects

5.1.1 Search Input

Element	Definition	Description
SubscriberId	::= textual	A unique identifier for the subscriber of a policy, i.e. the policy holder.
MemberId	::= textual	Member ID is a 2-digit number identifying each member of the Family
FirstName	::= textual	The first name of the individual being insured.
LastName	::= textual	The last name of the individual being insured.
DateOfBirth	::= textual	The date of the birth of the individual being insured. ISO date format CCYY-MM-DD.
ZipCode	::= textual	The 5-digit zip code where the individual being insured resides.
PhoneNumber	::= textual	The primary phone number of the individual being insured. Exclude parentheses and dashes.
TradingPartnerId	::= textual	Numeric ID that identifies the partner from whom we get the request. e.g. Type 101 = Provider Type 102 = Partner online portal Type 103 = Member Mobile App
tradingPartnerTypeid	::= textual	Numeric trading partner type id.
ServiceDate	::= textual	Optional. If blank, then it will default to today's date in Central Time Zone. ISO date format if present CCYY-MM-DD.

5.1.2 Search Output

Element	Definition	Description
Coverages	::= «resource»[Coverages]	

5.2 Resource and Domain Objects

5.2.1 Coverages

A member's eligibility and benefits information

Element	Definition	Description
subscriberId	::= Textual	A unique identifier for the subscriber of a policy, i.e. the policy holder.
memberId	::= Textual	Member ID is a 2-digit number identifying each member of the Family
firstName	::= Textual	The first name of the individual being insured.
lastName	::= Textual	The last name of the individual being insured.
dateOfBirth	::= Textual	The date of the birth of the individual being insured. ISO date format CCYY-MM-DD
patientSex	::= Textual	Gender of the patient
insuredName	::= Textual	Subscriber's Name
patientRelationshipToInsured	::= Textual	Dependent Relationship to the subscriber
patientAddress1	::= Textual	Patient Address1
patientAddress2	::= Textual	Patient Address2
patientCity	::= Textual	Patient City
patientState	::= Textual	Patient State
patientZip	::= Textual	Patient Zip
Product	List of ::= <productType>	
hasBenefits	::= Textual	Shows "TRUE" or "FALSE" if the response contains active coverages
messageCodeId	::= Textual	A unique message code ID assigned to response message

Element	Definition	Description
responseMessage	::= Textual	Response message passed from the data provider. Will contain “Success”, or if unable to find the coverage based upon the search parameters, will return the reason. The input parameters (subscriberId, memberId, etc.) will also be passed back in the service response elements.

Element	Definition	Description
responseMessage	::= Textual	<p>Response message passed from the data provider. Will contain "Success", or if unable to find the coverage based upon the search parameters, will return the reason. The input parameters (subscriberId, memberId, etc.) will also be passed back in the service response elements.</p> <p>Possible messages:</p> <ul style="list-style-type: none"> • Member not found. Please contact Customer Service. • Member not found, please provide additional information and search again. • Multiple Member records found. Please contact Customer Service. • Multiple Members records found. Please refine your search criteria • Unable to process your request." • Member has no active coverage. Please contact Customer Service. • Member coverage found but not active. Please have the member contact Customer Service. • This member has more than one plan. Please select the plan below. • Member has no active coverage. Please contact Customer Service • Member coverage found but not active. Please have member contact customer service • Location not in-network for Member. Member to be billed 100% of charges at time of service and can submit claim for Out-of-Network reimbursement, if applicable. <p>Location not in network for Member. Member to be billed 100% of charges at time of service and can submit claim for Out-of-Network reimbursement, if applicable.</p>

5.2.1.1 *productType*

Element	Definition	Description
productName	::= Textual	The name of the benefit plan for the individual being insured.
memberEffectiveDate	::= Textual	The effective date of coverage for the individual being insured. Supply 1 row for each coverage span of the individual. ISO date format CCYY-MM-DD
memberTerminationDate	::= Textual	The effective date of coverage for the individual being insured. Supply no value if the coverage does not have a defined termination date. ISO date format CCYY-MM-DD
retailPlanId	::= Textual	
deductibleAppliedIndicator	::= Textual	Deductible flag
studentAgeCutoff	::= Textual	Identifies the age at which a member who is classified as a full-time student should no longer be considered eligible as a dependent on a subscriber's policy.
dilatedFundusExamRecommended	::= Textual	Dilated Fundus Exam which is a diagnostic procedure is needed or not
timelyFilingLimitInDays	::= Textual	Defines the number of days that can elapse between the time when a service is performed and when a corresponding claim is received before a penalty is incurred or the claim is denied. Shown in days, not months.
benefitLevel	List of ::=<benefitLevelType>	

5.2.1.2 *benefitLevelType*

Element	Definition	Description
benefitLevelDescription	::= Textual	
benefitAvailability	List of ::= <benefitAvailabilityType>	

Element	Definition	Description
benefitDetail	List of ::= <benefitDetailType>	
planLevelAccumulators	::= <planLevelAccumulatorsType>	

5.2.2 benefitAvailabilityType

Element	Definition	Description
benefitCategoryDescription	::= Textual	
reportDescription	::= Textual	This element contains coverage category description followed by colon (:) and followed by report description (Contact Lenses: Contact Lenses)
benefitEligibility	::= Textual	
Frequency	::= Textual	

5.2.3 benefitDetailType

Element	Definition	Description
reportDescription	::= Textual	This element contains coverage category description followed by colon (:) and followed by report description (Contact Lenses: Contact Lenses)
periodLength	::= Textual	Works together with Period Length Description to define the coverage period A -Accum Year D -Day L - Lifetime M- Month Y - Year e.g. "A"
periodLengthTypeDescription	::= Textual	Description of the period lengths i.e., Accum Year Day Lifetime Month Year Works together with Period Length to define the coverage period e.g. "Accum Year"
unitsFrom	::= Textual	Allowable minimum units
unitsTo	::= Textual	Allowable maximum units
ageMax	::= Textual	Maximum age to avail the service

Element	Definition	Description
ageMin	::= Textual	Minimum age to avail the service
coinsurancePercent	::= Textual	Coinsurance is an amount based on a percentage that a member owes for services performed after deductibles are met
copayAmount	::= Textual	The co-payment amount paid by a patient. Copayments are flat fees charged to patients that can be associated with visits or with procedure codes.
allowanceAmount	::= Textual	Allowance Amount is defined in the vision material plan associated with a product's benefit level
allowanceRemainingAmount	::= Textual	
allowanceSatisfiedAmount	::= Textual	Allowance met amount
overagePercent	::= Textual	Surcharge amount is derived from the sum of the Price Protected Amount, Discounted Retail Amount, and Overage Amount when vision material claims are processed
priceProtectionAmount	::= Textual	Surcharge amount is derived from the sum of the Price Protected Amount, Discounted Retail Amount, and Overage Amount when vision material claims are processed. Flat Fee Amount on front end
discountPercent	::= Textual	Discount percentage for a benefit plan

5.2.4 planLevelAccumulatorsType

Element	Definition	Description
benefitMaximum	List of ::= <benefitMaximumType>	
Deductible	List of ::= <deductibleType>	
oopMaximum	List of ::= <oopMaximumType>	

5.2.5 benefitMaximumType

Element	Definition	Description
codesetDescription	::= Textual	
familyMaximumAmount	::= Textual	Annual maximum amount per subscriber
familyMaximumRemainingAmount	::= Textual	Annual maximum left over amount per subscriber
familyMaximumSatisfiedAmount	::= Textual	Annual maximum met amount per subscriber
memberMaximumAmount	::= Textual	Annual maximum amount per member
memberMaximumRemainingAmount	::= Textual	Annual maximum left over amount per member

Element	Definition	Description
memberMaximumSatisfiedAmount	::= Textual	Annual maximum amount met per member
periodBegin	::= Textual	
periodEnd	::= Textual	

5.2.6 deductibleType

Element	Definition	Description
codesetDescription	::= Textual	
familyDeductibleAmount	::= Textual	Annual maximum amount per subscriber
familyDeductibleRemainingAmount	::= Textual	Annual maximum left over amount per subscriber
familyDeductibleSatisfiedAmount	::= Textual	Annual maximum met amount per subscriber
memberDeductibleAmount	::= Textual	Annual maximum amount per member
memberDeductibleRemainingAmount	::= Textual	Annual maximum left over amount per member
memberDeductibleSatisfiedAmount	::= Textual	Annual maximum amount met per member
periodBegin	::= Textual	
periodEnd	::= Textual	

5.2.7. oopMaximumType

Element	Definition	Description
codesetDescription	::= Textual	
familyOopAmount	::= Textual	Annual maximum amount per subscriber
familyOopRemainingAmount	::= Textual	Annual maximum left over amount per subscriber
familyOopSatisfiedAmount	::= Textual	Annual maximum met amount per subscriber
memberOopAmount	::= Textual	Annual maximum amount per member
memberOopRemainingAmount	::= Textual	Annual maximum left over amount per member
memberOopSatisfiedAmount	::= Textual	Annual maximum amount met per member
periodBegin	::= Textual	
periodEnd	::= Textual	

6 Input Validation Rules

These are rule decision trees, one for each logical operation of the service. Read each tree from top to bottom. The failure of any rule produces an InvalidRequest, as described in Section 7.1, “[Functional Errors](#)”. Once a rule-violation is detected, the service exits without checking further.

6.1 SearchCoveragesV1

Rule #	Rule	Explanation
1	<p>The following parameters are conditionally required:</p> <ol style="list-style-type: none"> subscriberId memberId firstName lastName dateOfBirth (DOB) zipCode phoneNumber 	<p>Validation rules are as follows. These combinations help to eliminate the possibility of duplicate member records being returned. <u>One of the following combinations is required:</u></p> <p>subscriberId + dateOfBirth OR subscriberId + memberId + dateOfBirth OR firstName + lastName + dateOfBirth + zipCode OR firstName + lastName + dateOfBirth + zipCode + phoneNumber</p> <p>Other parameters listed are optional when one of the above conditions is met.</p>
2	<p>The following parameters are always required and must be numeric:</p> <ol style="list-style-type: none"> tradingPartnerId tradingPartnerTypeId 	Required and must be numeric.
3	dateOfBirth must be CCYY-MM-DD format	dateOfBirth must be ISO date format
4	serviceDate must be CCYY-MM-DD format	If present, serviceDate must be in ISO date format. If not present, will default to today's date in Central Time Zone.
5	memberId must be a 2 digit numeric value or blank	If present, memberId must be numeric.

7 Sample request and response

7.1 Sample request

Please make sure to add the trading partner IDs below in the request.

```
{  
  "searchInput": {  
    "subscriberId": "1234567890",  
    "memberId": "00",  
    "firstName": "Alice",  
    "lastName": "Wonderland",  
    "dateOfBirth": "1978-11-28",  
    "zipCode": "75075",  
    "phoneNumber": "",  
    "tradingPartnerId": "____",  
    "tradingPartnerTypeId": "101",  
    "serviceDate": "2017-07-20"  
  }  
}
```

7.2 Sample response

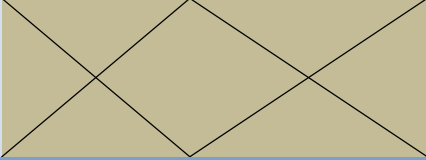
Please refer the attached notes.



response.txt

8 Error and Status Codes

8.1 Functional Errors

		Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code		Name	Severity	← RESTful API	
200	OK				Success. The payload sent in a 200 response depends on the request method. HTTP/1.1 documentation
200	OK	(any)	INFORMATIONAL		The service may demote any error from severity "FAULT" or "EXCEPTION" to severity "INFORMATIONAL" to enable the goal of retrieving whatever data is available regardless of which steps succeed and which fail.
404	NOT FOUND	Not Found	FAULT		The origin server did not find a current representation for the target resource or is not willing to disclose that one exists. A 404 status code does not indicate whether this lack of representation is temporary or permanent. This condition implies that the origin server gained control of the transaction but does not imply any reason for the resource not being found. HTTP/1.1 documentation
400	BAD REQUEST	Invalid Request	FAULT		Any of the following: <ul style="list-style-type: none"> • Required parameters are missing • The combination of named input parameters is invalid • A named request parameter is incorrectly formatted • A named request parameter has an invalid value HTTP/1.1 documentation

	Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code	Name	Severity	← RESTful API	
500	INTERNAL SERVER ERROR	Data Provider Fault	FAULT	<p>The underlying data provider reported an exception that is inconsistent with every other condition listed in this section.</p> <p>This is a catch-all for otherwise unspecified faults.</p> <p>HTTP/1.1 documentation</p>

8.2 Infrastructure Errors

	Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code	Condition Name	Severity	← RESTful API	
500	INTERNAL SERVER ERROR	Data Service Exception	EXCEPTION	<p>The service bus failed from an error encountered in a low-level data access component.</p> <p>This is a catch-all for low-level, otherwise unspecified faults.</p> <p>HTTP/1.1 documentation</p>
500	INTERNAL SERVER ERROR	Socket Timeout Exception	EXCEPTION	<p>The service bus failed when it timed out while waiting for a message to arrive on a connection with a lower level bus component or with a downstream application. This fault could indicate that the downstream component either failed or is locked in a long-running transaction.</p> <p>HTTP/1.1 documentation</p>
500	INTERNAL SERVER ERROR	Service Exception	EXCEPTION	<p>The service bus failed because of an internal error; example, an internal component of the bus was unavailable.</p> <p>This is a catch-all for otherwise unspecified faults.</p> <p>HTTP/1.1 documentation</p>

		Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code		Condition Name	Severity	← RESTful API	
500	INTERNAL SERVER ERROR	Configuration Exception	EXCEPTION		<p>The service bus failed because configuration data is not set up properly for the service or data service.</p> <p>The condition is comparable to, but more specific than, a ServiceException or a DataServiceException.</p> <p>HTTP/1.1 documentation</p>
500	INTERNAL SERVER ERROR	Parse Exception	EXCEPTION		<p>The service bus failed most likely while trying to transform data from one type to another.</p> <p>The condition is comparable to, but more specific than, a ServiceException or a DataServiceException.</p> <p>HTTP/1.1 documentation</p>
500	INTERNAL SERVER ERROR	Service Unavailable Exception	EXCEPTION		<p>The service loaded but did not running properly, probably because of a missing or failed dependency at startup.</p> <p>The condition is comparable to, but more specific than, a ServiceException.</p> <p>HTTP/1.1 documentation</p>
503	SERVICE UNAVAILABLE	Service Outage Exception	EXCEPTION		<p>The service bus deduced, based on some pattern of previous faults, that an underlying data provider is offline.</p> <p>The exception occurs only if the service bus has a circuit breaker for the service provider. A circuit breaker prevents a constant recurrence of failures, such as when the system is offline for maintenance. Circuit breakers are created only as needed. Though not all services expose it, any consumer of any service should prepare for this fault.</p> <p>HTTP/1.1 documentation</p>

8.3 Security Errors

	Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code	Name	Severity	← RESTful API	
401	UNAUTHORIZED	Authorization Exception	EXCEPTION	<p>The user is not authorized to call under the passed applicationName, or the application so identified is not authorized to use the service being called.</p> <p>The condition involves the service consumer and the service bus. The service provider does not play a role in this condition.</p> <p>HTTP/1.1 documentation</p>
403	UNAUTHORIZED	Authorization Exception	EXCEPTION	<p>The user is not authorized to call under the passed applicationName, or the application so identified is not authorized to use the service being called.</p> <p>The condition involves the service consumer and the service bus. The service provider does not play a role in this condition.</p> <p>HTTP/1.1 documentation</p>

9 Appendices

None

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1.2 Usage Guidance

VAS Tenant on API Engine

Usage of this API is dependent on the ability to support Version 1.2 of the Transport Layer Security (TLS) protocol. <https://tools.ietf.org/html/rfc5246>

1.3 Service Attributes

Transactionality	<p>This service functions as a single transaction.</p> <p>This service does not:</p> <ol style="list-style-type: none">1. Maintain state2. Participate in any start-commit-rollback protocol for coordinating long-lived (persistent) objects3. Expose any Semaphore4. Page its responses
Interoperability	None
Compatibility	None
Communication Style	Synchronous read request

1.4 Release Notes / Version History

This companion guide reflects the API capabilities as of this writing. Enhancements made to the API and its processes will be documented in subsequent companion guides. Any changes to the API and its processes require at least a minimum of 90 days notice, so as not to negatively impact other users.

2 Operation Summary

RESTful Action		SOAP Action		
Method	URI	Service	Operation	Description
POST	/uhcvision/coverages/V1.0/search	SearchCoveragesV1	InvokeService	Find the coverage for a member

3 RESTful Actions

3.1 POST /uhcvision/coverages/v1.0/search

Search for a member's eligibility and benefits coverage information.

3.1.1 Request

3.1.1.1 Sample Request

HTTP Request Line	POST /uhcvision/coverages/v1.0/search HTTP/1.1
HTTP Header	Content-Type: application/json accept: application/json
HTTP Message Body	<pre>{ "searchInput": { "subscriberId": "{some string}", "memberId": "{some string}", "firstName": "{some string}", "lastName": "{some string}", "dateOfBirth": "{some string}", "zipCode": "{some string}", "phoneNumber": "{some string}", "tradingPartnerId": "{some string}", "tradingPartnerTypeId": "{some string}", "serviceDate": "{some string}" } }</pre>

3.1.1.2 Path Parameters

None

3.1.1.3 Query Parameters

None

3.1.1.4 Body Parameters

See Subsection “Search Input” of Section 5, “[Resource and Object Description](#)”.

3.1.2 Response

3.1.2.1 Sample Response

HTTP Status Line	HTTP/1.1 200 OK
HTTP Header	Content-Type: application/json serviceCallStatus: SUCCESS

HTTP
Message
Body

```
{
  "searchResult": {"searchOutput": {
    "coverages": {
      "subscriberId": "{some string}",
      "memberId": "{some string}",
      "firstName": "{some string}",
      "lastName": "{some string}",
      "dateOfBirth": "{some string}",
      "patientSex": "{some string}",
      "insuredName": "{some string}",
      "patientRelationshipToInsured": "{some string}",
      "patientAddress1": "{some string}",
      "patientAddress2": "{some string}",
      "patientCity": "{some string}",
      "patientState": "{some string}",
      "patientZip": "{some string}",

      "product" [
        "productName": "{some string}",
        "memberEffectiveDate": "{some string}",
        "memberTerminationDate": "{some string}",
        "retailPlanId": "{some string}",
        "deductibleAppliedIndicator": "{some string}",
        "studentAgeCutoff": "{some string}",
        "dilatedFundusExamRecommended": "{some string}",
        "timelyFilingLimitInDays": "{some string}",
        "benefitLevel" [
          "benefitLevelDescription": "{some string}",
          "benefitAvailability" [
            "benefitCategoryDescription": "{some string}",
            "reportDescription": "{some string}",
            "benefitEligibility": "{some string}",
            "frequency": "{some string}"
          ],
        ],
        "benefitDetail" [
          "reportDescription": "{some string}",
          "periodLength": "{some string}",
          "periodLengthTypeDescription": "{some string}",
          "unitsFrom": "{some string}",
          "unitsTo": "{some string}",
          "ageMax": "{some string}",
          "ageMin": "{some string}",
          "coinsurancePercent": "{some string}",
          "copayAmount": "{some string}",
          "allowanceAmount": "{some string}",
          "allowanceRemainingAmount": "{some string}",
          "allowanceSatisfiedAmount": "{some string}",
          "overagePercent": "{some string}",
          "priceProtectionAmount": "{some string}",
          "discountPercent": "{some string}"
        ]
      ]
    }
  }
},
```

```

    "planLevelAccumulators" :
      "benefitMaximum" [
        "codesetDescription": "{some string}",
        "familyMaximumAmount": "{some string}",
        "familyMaximumRemainingAmount": "{some string}",
        "familyMaximumSatisfiedAmount": "{some string}",
        "memberMaximumAmount": "{some string}",
        "memberMaximumRemainingAmount": "{some string}",
        "memberMaximumSatisfiedAmount": "{some string}",
        "periodBegin": "{some string}",
        "periodEnd": "{some string}"
      ],
      "deductible" [
        "codesetDescription": "{some string}",
        "familyDeductibleAmount": "{some string}",
        "familyDeductibleRemainingAmount": "{some string}",
        "familyDeductibleSatisfiedAmount": "{some string}",
        "memberDeductibleAmount": "{some string}",
        "memberDeductibleRemainingAmount": "{some string}",
        "memberDeductibleSatisfiedAmount": "{some string}",
        "periodBegin": "{some string}",
        "periodEnd": "{some string}"
      ],
      "oopMaximum" [
        "codesetDescription": "{some string}",
        "familyOopAmount": "{some string}",
        "familyOopRemainingAmount": "{some string}",
        "familyOopSatisfiedAmount": "{some string}",
        "memberOopAmount": "{some string}",
        "memberOopRemainingAmount": "{some string}",
        "memberOopSatisfiedAmount": "{some string}",
        "periodBegin": "{some string}",
        "periodEnd": "{some string}"
      ]
    ],
    "hasBenefits": "{some string}",
    "messageCodeId": "{some string}",
    "responseMessage": "{some string}"
  }
}

```

3.1.2.2 Response Elements

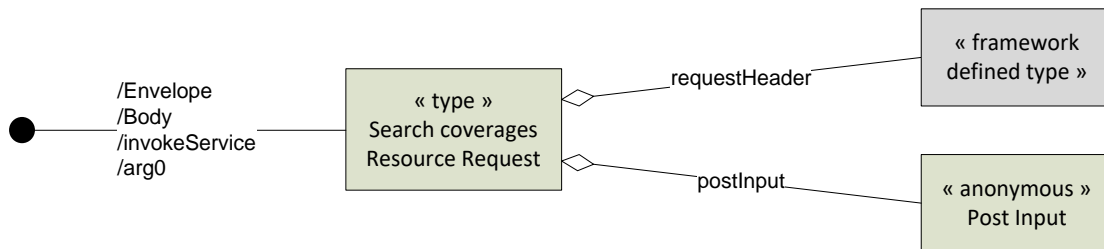
See Subsection “Search Output” of Section 5, [“Resource and Object Description”](#).

4 SOAP Actions

4.1 SearchCoveragesV1

4.2 Request

4.2.1.1 Message Model

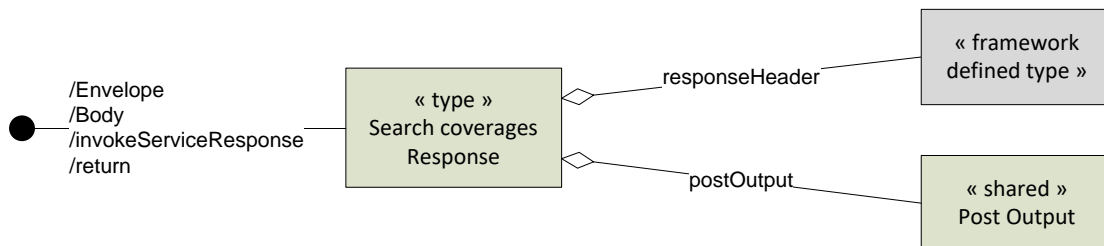


4.2.1.2 Request Elements

See Subsection “Search Input” of Section 5, “[Resource and Object Description](#)”.

4.2.2 Response

4.2.2.1 Message Model



4.2.2.2 Response Elements

See Subsection “Post Output” of Section 5, “[Resource and Object Description](#)”.

5 Resource and Object Descriptions

5.1 Message and Meta Objects

5.1.1 Search Input

Element	Definition	Description
SubscriberId	::= textual	A unique identifier for the subscriber of a policy, i.e. the policy holder.
MemberId	::= textual	Member ID is a 2-digit number identifying each member of the Family
FirstName	::= textual	The first name of the individual being insured.
LastName	::= textual	The last name of the individual being insured.
DateOfBirth	::= textual	The date of the birth of the individual being insured. ISO date format CCYY-MM-DD.
ZipCode	::= textual	The 5-digit zip code where the individual being insured resides.
PhoneNumber	::= textual	The primary phone number of the individual being insured. Exclude parentheses and dashes.
TradingPartnerId	::= textual	Numeric ID that identifies the partner from whom we get the request. e.g. Type 101 = Provider Type 102 = Partner online portal Type 103 = Member Mobile App
tradingPartnerTypeid	::= textual	Numeric trading partner type id.
ServiceDate	::= textual	Optional. If blank, then it will default to today's date in Central Time Zone. ISO date format if present CCYY-MM-DD.

5.1.2 Search Output

Element	Definition	Description
Coverages	::= «resource»[Coverages]	

5.2 Resource and Domain Objects

5.2.1 Coverages

A member's eligibility and benefits information

Element	Definition	Description
subscriberId	::= Textual	A unique identifier for the subscriber of a policy, i.e. the policy holder.
memberId	::= Textual	Member ID is a 2-digit number identifying each member of the Family
firstName	::= Textual	The first name of the individual being insured.
lastName	::= Textual	The last name of the individual being insured.
dateOfBirth	::= Textual	The date of the birth of the individual being insured. ISO date format CCYY-MM-DD
patientSex	::= Textual	Gender of the patient
insuredName	::= Textual	Subscriber's Name
patientRelationshipToInsured	::= Textual	Dependent Relationship to the subscriber
patientAddress1	::= Textual	Patient Address1
patientAddress2	::= Textual	Patient Address2
patientCity	::= Textual	Patient City
patientState	::= Textual	Patient State
patientZip	::= Textual	Patient Zip
Product	List of ::= <productType>	
hasBenefits	::= Textual	Shows "TRUE" or "FALSE" if the response contains active coverages
messageCodeId	::= Textual	A unique message code ID assigned to response message

Element	Definition	Description
responseMessage	::= Textual	Response message passed from the data provider. Will contain “Success”, or if unable to find the coverage based upon the search parameters, will return the reason. The input parameters (subscriberId, memberId, etc.) will also be passed back in the service response elements.

Element	Definition	Description
responseMessage	::= Textual	<p>Response message passed from the data provider. Will contain "Success", or if unable to find the coverage based upon the search parameters, will return the reason. The input parameters (subscriberId, memberId, etc.) will also be passed back in the service response elements.</p> <p>Possible messages:</p> <ul style="list-style-type: none"> • Member not found. Please contact Customer Service. • Member not found, please provide additional information and search again. • Multiple Member records found. Please contact Customer Service. • Multiple Members records found. Please refine your search criteria • Unable to process your request." • Member has no active coverage. Please contact Customer Service. • Member coverage found but not active. Please have the member contact Customer Service. • This member has more than one plan. Please select the plan below. • Member has no active coverage. Please contact Customer Service • Member coverage found but not active. Please have member contact customer service • Location not in-network for Member. Member to be billed 100% of charges at time of service and can submit claim for Out-of-Network reimbursement, if applicable. <p>Location not in network for Member. Member to be billed 100% of charges at time of service and can submit claim for Out-of-Network reimbursement, if applicable.</p>

5.2.1.1 *productType*

Element	Definition	Description
productName	::= Textual	The name of the benefit plan for the individual being insured.
memberEffectiveDate	::= Textual	The effective date of coverage for the individual being insured. Supply 1 row for each coverage span of the individual. ISO date format CCYY-MM-DD
memberTerminationDate	::= Textual	The effective date of coverage for the individual being insured. Supply no value if the coverage does not have a defined termination date. ISO date format CCYY-MM-DD
retailPlanId	::= Textual	
deductibleAppliedIndicator	::= Textual	Deductible flag
studentAgeCutoff	::= Textual	Identifies the age at which a member who is classified as a full-time student should no longer be considered eligible as a dependent on a subscriber's policy.
dilatedFundusExamRecommended	::= Textual	Dilated Fundus Exam which is a diagnostic procedure is needed or not
timelyFilingLimitInDays	::= Textual	Defines the number of days that can elapse between the time when a service is performed and when a corresponding claim is received before a penalty is incurred or the claim is denied. Shown in days, not months.
benefitLevel	List of ::=<benefitLevelType>	

5.2.1.2 *benefitLevelType*

Element	Definition	Description
benefitLevelDescription	::= Textual	
benefitAvailability	List of ::= <benefitAvailabilityType>	

Element	Definition	Description
benefitDetail	List of ::= <benefitDetailType>	
planLevelAccumulators	::= <planLevelAccumulatorsType>	

5.2.2 benefitAvailabilityType

Element	Definition	Description
benefitCategoryDescription	::= Textual	
reportDescription	::= Textual	This element contains coverage category description followed by colon (:) and followed by report description (Contact Lenses: Contact Lenses)
benefitEligibility	::= Textual	
Frequency	::= Textual	

5.2.3 benefitDetailType

Element	Definition	Description
reportDescription	::= Textual	This element contains coverage category description followed by colon (:) and followed by report description (Contact Lenses: Contact Lenses)
periodLength	::= Textual	Works together with Period Length Description to define the coverage period A -Accum Year D -Day L - Lifetime M- Month Y - Year e.g. "A"
periodLengthTypeDescription	::= Textual	Description of the period lengths i.e., Accum Year Day Lifetime Month Year Works together with Period Length to define the coverage period e.g. "Accum Year"
unitsFrom	::= Textual	Allowable minimum units
unitsTo	::= Textual	Allowable maximum units
ageMax	::= Textual	Maximum age to avail the service

Element	Definition	Description
ageMin	::= Textual	Minimum age to avail the service
coinsurancePercent	::= Textual	Coinsurance is an amount based on a percentage that a member owes for services performed after deductibles are met
copayAmount	::= Textual	The co-payment amount paid by a patient. Copayments are flat fees charged to patients that can be associated with visits or with procedure codes.
allowanceAmount	::= Textual	Allowance Amount is defined in the vision material plan associated with a product's benefit level
allowanceRemainingAmount	::= Textual	
allowanceSatisfiedAmount	::= Textual	Allowance met amount
overagePercent	::= Textual	Surcharge amount is derived from the sum of the Price Protected Amount, Discounted Retail Amount, and Overage Amount when vision material claims are processed
priceProtectionAmount	::= Textual	Surcharge amount is derived from the sum of the Price Protected Amount, Discounted Retail Amount, and Overage Amount when vision material claims are processed. Flat Fee Amount on front end
discountPercent	::= Textual	Discount percentage for a benefit plan

5.2.4 planLevelAccumulatorsType

Element	Definition	Description
benefitMaximum	List of ::= <benefitMaximumType>	
Deductible	List of ::= <deductibleType>	
oopMaximum	List of ::= <oopMaximumType>	

5.2.5 benefitMaximumType

Element	Definition	Description
codesetDescription	::= Textual	
familyMaximumAmount	::= Textual	Annual maximum amount per subscriber
familyMaximumRemainingAmount	::= Textual	Annual maximum left over amount per subscriber
familyMaximumSatisfiedAmount	::= Textual	Annual maximum met amount per subscriber
memberMaximumAmount	::= Textual	Annual maximum amount per member
memberMaximumRemainingAmount	::= Textual	Annual maximum left over amount per member

Element	Definition	Description
memberMaximumSatisfiedAmount	::= Textual	Annual maximum amount met per member
periodBegin	::= Textual	
periodEnd	::= Textual	

5.2.6 deductibleType

Element	Definition	Description
codesetDescription	::= Textual	
familyDeductibleAmount	::= Textual	Annual maximum amount per subscriber
familyDeductibleRemainingAmount	::= Textual	Annual maximum left over amount per subscriber
familyDeductibleSatisfiedAmount	::= Textual	Annual maximum met amount per subscriber
memberDeductibleAmount	::= Textual	Annual maximum amount per member
memberDeductibleRemainingAmount	::= Textual	Annual maximum left over amount per member
memberDeductibleSatisfiedAmount	::= Textual	Annual maximum amount met per member
periodBegin	::= Textual	
periodEnd	::= Textual	

5.2.7. oopMaximumType

Element	Definition	Description
codesetDescription	::= Textual	
familyOopAmount	::= Textual	Annual maximum amount per subscriber
familyOopRemainingAmount	::= Textual	Annual maximum left over amount per subscriber
familyOopSatisfiedAmount	::= Textual	Annual maximum met amount per subscriber
memberOopAmount	::= Textual	Annual maximum amount per member
memberOopRemainingAmount	::= Textual	Annual maximum left over amount per member
memberOopSatisfiedAmount	::= Textual	Annual maximum amount met per member
periodBegin	::= Textual	
periodEnd	::= Textual	

6 Input Validation Rules

These are rule decision trees, one for each logical operation of the service. Read each tree from top to bottom. The failure of any rule produces an InvalidRequest, as described in Section 7.1, “[Functional Errors](#)”. Once a rule-violation is detected, the service exits without checking further.

6.1 SearchCoveragesV1

Rule #	Rule	Explanation
1	<p>The following parameters are conditionally required:</p> <ol style="list-style-type: none"> subscriberId memberId firstName lastName dateOfBirth (DOB) zipCode phoneNumber 	<p>Validation rules are as follows. These combinations help to eliminate the possibility of duplicate member records being returned. <u>One of the following combinations is required:</u></p> <p>subscriberId + dateOfBirth OR subscriberId + memberId + dateOfBirth OR firstName + lastName + dateOfBirth + zipCode OR firstName + lastName + dateOfBirth + zipCode + phoneNumber</p> <p>Other parameters listed are optional when one of the above conditions is met.</p>
2	<p>The following parameters are always required and must be numeric:</p> <ol style="list-style-type: none"> tradingPartnerId tradingPartnerTypeId 	Required and must be numeric.
3	dateOfBirth must be CCYY-MM-DD format	dateOfBirth must be ISO date format
4	serviceDate must be CCYY-MM-DD format	If present, serviceDate must be in ISO date format. If not present, will default to today's date in Central Time Zone.
5	memberId must be a 2 digit numeric value or blank	If present, memberId must be numeric.

7 Sample request and response

7.1 Sample request

Please make sure to add the trading partner IDs below in the request.

```
{  
  "searchInput": {  
    "subscriberId": "1234567890",  
    "memberId": "00",  
    "firstName": "Alice",  
    "lastName": "Wonderland",  
    "dateOfBirth": "1978-11-28",  
    "zipCode": "75075",  
    "phoneNumber": "",  
    "tradingPartnerId": "____",  
    "tradingPartnerTypeId": "101",  
    "serviceDate": "2017-07-20"  
  }  
}
```

7.2 Sample response

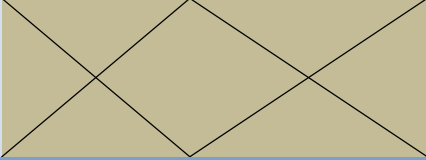
Please refer the attached notes.



response.txt

8 Error and Status Codes

8.1 Functional Errors

		Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code		Name	Severity	← RESTful API	
200	OK				Success. The payload sent in a 200 response depends on the request method. HTTP/1.1 documentation
200	OK	(any)	INFORMATIONAL		The service may demote any error from severity "FAULT" or "EXCEPTION" to severity "INFORMATIONAL" to enable the goal of retrieving whatever data is available regardless of which steps succeed and which fail.
404	NOT FOUND	Not Found	FAULT		The origin server did not find a current representation for the target resource or is not willing to disclose that one exists. A 404 status code does not indicate whether this lack of representation is temporary or permanent. This condition implies that the origin server gained control of the transaction but does not imply any reason for the resource not being found. HTTP/1.1 documentation
400	BAD REQUEST	Invalid Request	FAULT		Any of the following: <ul style="list-style-type: none"> • Required parameters are missing • The combination of named input parameters is invalid • A named request parameter is incorrectly formatted • A named request parameter has an invalid value HTTP/1.1 documentation

	Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code	Name	Severity	← RESTful API	
500	INTERNAL SERVER ERROR	Data Provider Fault	FAULT	<p>The underlying data provider reported an exception that is inconsistent with every other condition listed in this section.</p> <p>This is a catch-all for otherwise unspecified faults.</p> <p>HTTP/1.1 documentation</p>

8.2 Infrastructure Errors

	Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code	Condition Name	Severity	← RESTful API	
500	INTERNAL SERVER ERROR	Data Service Exception	EXCEPTION	<p>The service bus failed from an error encountered in a low-level data access component.</p> <p>This is a catch-all for low-level, otherwise unspecified faults.</p> <p>HTTP/1.1 documentation</p>
500	INTERNAL SERVER ERROR	Socket Timeout Exception	EXCEPTION	<p>The service bus failed when it timed out while waiting for a message to arrive on a connection with a lower level bus component or with a downstream application. This fault could indicate that the downstream component either failed or is locked in a long-running transaction.</p> <p>HTTP/1.1 documentation</p>
500	INTERNAL SERVER ERROR	Service Exception	EXCEPTION	<p>The service bus failed because of an internal error; example, an internal component of the bus was unavailable.</p> <p>This is a catch-all for otherwise unspecified faults.</p> <p>HTTP/1.1 documentation</p>

		Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code		Condition Name	Severity	← RESTful API	
500	INTERNAL SERVER ERROR	Configuration Exception	EXCEPTION		<p>The service bus failed because configuration data is not set up properly for the service or data service.</p> <p>The condition is comparable to, but more specific than, a ServiceException or a DataServiceException.</p> <p>HTTP/1.1 documentation</p>
500	INTERNAL SERVER ERROR	Parse Exception	EXCEPTION		<p>The service bus failed most likely while trying to transform data from one type to another.</p> <p>The condition is comparable to, but more specific than, a ServiceException or a DataServiceException.</p> <p>HTTP/1.1 documentation</p>
500	INTERNAL SERVER ERROR	Service Unavailable Exception	EXCEPTION		<p>The service loaded but did not running properly, probably because of a missing or failed dependency at startup.</p> <p>The condition is comparable to, but more specific than, a ServiceException.</p> <p>HTTP/1.1 documentation</p>
503	SERVICE UNAVAILABLE	Service Outage Exception	EXCEPTION		<p>The service bus deduced, based on some pattern of previous faults, that an underlying data provider is offline.</p> <p>The exception occurs only if the service bus has a circuit breaker for the service provider. A circuit breaker prevents a constant recurrence of failures, such as when the system is offline for maintenance. Circuit breakers are created only as needed. Though not all services expose it, any consumer of any service should prepare for this fault.</p> <p>HTTP/1.1 documentation</p>

8.3 Security Errors

	Message Type	Status Message Level	← SOAP API	Explanation
HTTP Status Code	Name	Severity	← RESTful API	
401	UNAUTHORIZED	Authorization Exception	EXCEPTION	<p>The user is not authorized to call under the passed applicationName, or the application so identified is not authorized to use the service being called.</p> <p>The condition involves the service consumer and the service bus. The service provider does not play a role in this condition.</p> <p>HTTP/1.1 documentation</p>
403	UNAUTHORIZED	Authorization Exception	EXCEPTION	<p>The user is not authorized to call under the passed applicationName, or the application so identified is not authorized to use the service being called.</p> <p>The condition involves the service consumer and the service bus. The service provider does not play a role in this condition.</p> <p>HTTP/1.1 documentation</p>

9 Appendices

None